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ROBERT A. MILLIKAN: A redetermination of e and N .

CARL L. ALSBERG, Chief of the Bureau of Chemistry, United States Department of Agriculture: The relation of investigational work to the enforcement of the food and drugs act.

J. WALTER FEWKES: Recent explorations on the Mesa Verde National Park, Colorado.

ERWIN F. SMITH: Further evidence on the nature of crown gall and cancer and that cancer in plants offers strong presumptive evidence both of the parasitic origin and of the essential unity of the various forms of cancer in man and animals.

AWARD OF MEDALS

At the annual dinner of the Academy held at the Hotel Raleigh on April 18, 1916, Medals for Eminence in the Application of Science to the Public Welfare were awarded to Cleveland Abbe for distinguished public service in establishing and organizing the weather service of the United States, and to Gifford Pinchot for distinguished public service in organizing and directing the movement for the systematic conservation of the natural resources of the United States; and the James Craig Watson medal was awarded to Armin Otto Leuschner for the skill and ability which he has shown in supervising the preparation of tables of the Watson asteroids, involving original methods, and leading to results of much value to celestial mechanics.

RESEARCH GRANTS FROM THE TRUST FUNDS OF THE ACADEMY

During the twelve months preceding the Annual Meeting of the Academy the following grants for the promotion of research were made from the trust funds of the Academy.

GRANTS FROM THE BACHE FUND

No. 188, H. W. NORRIS, Grinnell College, \$100. For assistance in the analysis of the cranial nerves of Coecilians (*Herpele* and *Dermophis*).

No. 189, E. J. WEBER, Woods Hole, \$230. For assistance in experimental studies aiming at the control of defective and monstrous development: (1) the effect of toxic products of metabolism on the developing teleost egg; (2) the effect of experimentally produced diseases of parental metabolism on the offspring of mammals.

No. 190, H. S. JENNINGS, Johns Hopkins University, \$200. For assistance in the study of evolution in a unicellular animal multiplying by fission: heredity, variation, racial differentiation in *Diffugia*.

No. 191, P. W. BRIDGMAN, Harvard University, \$500. For mechanical assistance in an investigation of various effects of high hydrostatic pressure, in particular the effect of pressure on electrical resistance of metals. (Supplementary to grant No. 184.)

No. 192, J. P. IDINGS, Washington, D. C., \$1000. For apparatus and assistance in the microscopical and chemical investigation of igneous rocks for the purpose of extending knowledge regarding petrographical provinces and their bearings on the problem of isostasy.

No. 193, C. A. KOFOED, University of California, \$500. For assistance in securing animals in the Indian jungle and in their preparation for study in research on the intestinal protozoa.

No. 194, R. A. DALY, Harvard University, \$1000. For the purchase of a thermograph of new design for determining temperatures in the deep sea.